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Application No.	10/607,082
Filing Date	June 25, 2003
First Named Inventor	Jeremy R. Myles
Art Unit	2882
Examiner Name	TBA
Attorney Docket Number	5513P012

Total Number of Pages in This Submission 105

ENCLOSURES (check all that apply)

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Firm or Individual name	Andre M. Gibbs, Reg. No. 47,593 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	April 14, 2004

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Typed or printed name	Esther L. Campbell		
Signature		Date	April 14, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

JEREMY R. MYLES

Application No.: 10/607,082

Filed: June 25, 2003

For: **TREATMENT PLANNING,
SIMULATION, AND VERIFICATION
SYSTEM**

Art Group: 2882

Examiner: To be assigned

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents
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Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). This IDS and IDS Citation Form are being submitted before the mailing of a first Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

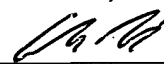
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Respectfully submitted,

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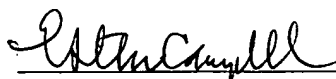
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INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

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Filing Date	June 25, 2003
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Art Unit	2882
Examiner Name	TBA
Attorney Docket Number	5513.P012

1 of 9

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)				
		US-	3,133,227	5/12/1964	Brown et al.	
		US-	3,193,717	7/6/1965	Nunan	
		US-	4,209,706	6/24/1980	Nunan	
		US-	4,726,046	2/16/1988	Nunan	
		US-	5,471,546	11/28/1995	Nunan	
		US-	6,508,586	1/1/2003	Oota	
		US-	6,429,578	8/1/2002	Danielson et al.	
		US-	6,325,537	12/1/2001	Watanabe	
		US-	6,307,914	10/1/2001	Kunieda et al.	
		US-	6,104,780	8/1/2000	Hanover et al.	
		US-	6,031,888	2/1/2000	Ivan et al.	
		US-	5,751,781	5/1/1998	Brown et al.	
		US-	5,537,452	7/1/1996	Sheopard et al.	
		US-	5,394,452	2/1/1995	Swerdloff et al.	
		US-	6,144,875	11/7/2000	Schweikard et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
		EP	0480035	B1	11-9-1994	Hara		

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				Art Unit	2882
Examiner Name	TBA				
Sheet	2	5513.P012	9	Attorney Docket Number	5513P012

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		us-	4,149,247	4/10/1979	Pavkovich et al.	
		us-	4,149,248	4/10/1979	Pavkovich et al.	
		us-	5,099,505	3/24/1992	Seppi et al.	
		us-	5,117,445	5/26/1992	Seppi et al.	
		us-	5,168,532	12/1/1992	Seppi et al.	
		us-	5,335,255	8/2/1994	Seppi et al.	
		us-	5,692,507	12/2/1997	Seppi et al.	
		us-	6,222,901	4/24/2001	Meulenbrugge et al.	
		us-	2001/0008271	7/19/2001	Ikeda et al.	
		us-	6,041,097	3/21/2000	Roos et al.	
		us-	6,381,302	4/30/2002	Berestov	
		us-	6,385,286	5/7/2002	Fitchard	
		us-				
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				Application Number	10/607,082
				Filing Date	June 25, 2003
				First Named Inventor:	Jeremy R. Myles
				Group Art Unit	2882
				Examiner Name	TBA
Sheet	3	of	9	Attorney Docket Number	5513.P012
OTHER ART - NO PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
		BALTER, James M. et al., "Daily Targeting of Intrahepatic Tumors for Radiotherapy," Int. J. Radiation Oncology Biol. Phys., vol. 52, no. 1 (2002), pp. 266-271			
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		GROH, B.A. et al., "A Performance Comparison of Flat-Panel Imager-Based MV and kV Conebeam CT," Med. Phys., vol. 29, no. 6, June 2002, pp. 967-975			
		UEMATSU, Minoru et al., "Daily Positioning Accuracy of Frameless Stereotactic Radiation Therapy With a Fusion of Computed Tomography and Linear Accelerator (FOCAL) Unit: Evaluation of Z-Axis With a Z-Marker," Radiotherapy and Oncology, vol. 50, no. 3, March 1999, pp. 337-339			
		UEMATSU, Minoru, M.D. et al., "A Dual Computed Tomography Linear Accelerator Unit for Stereotactic Radiation Therapy: A New Approach Without Cranially Fixated Stereotactic Frames," Int. J. Radiation Oncology Biol. Phys., vol. 35, no. 3 (1996), pp. 587-592			
		UEMATSU, Minoru, M.D. et al., "Intrafractional Tumor Position Stability During Computed Tomography (CT)-Guided Frameless Stereotactic Radiation Therapy for Lung or Liver Cancers With a Fusion of CT and Linear Accelerator (FOCAL) Unit," Int. J. Radiation Oncology Biol. Phys., vol. 48, no. 2 (2000), pp. 443-448			
		JAFFRAY, David A., Ph.D. et al., "A Radiographic and Tomographic Imaging System Integrated Into a Medical Linear Accelerator for Localization of Bone and Soft-Tissue Targets," Int. J. Radiation Oncology Biol. Phys., vol. 45, no. 3 (1999), pp. 773-789			

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OTHER ART – NO PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
		PISANI, Laura, M.S. et al., "Setup Error in Radiotherapy: On-line Correction Using Electronic Kilovoltage and Megavoltage Radiographs," Int. J. Radiation Oncology Biol. Phys., vol. 47, no. 3 (2000), pp. 825-839			
		DRAKE, D.G. et al, "Characterization of a Fluoroscopic Imaging System for kV and MV Radiography," Med. Phys., vol. 27, no. 5, May 2000, pp. 898-905			
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		FELDKAMP, L.A. et al. "Practical Cone-Beam Algorithm," J. Opt. Soc. Am. A., vol. 1, no. 6, June 1984; pp. 612-619			
		SIEWERDSEN, Jeffery H. and JAFFRAY, David A., "Optimization of X-Ray Imaging Geometry (With Specific Application to Flat-Panel Cone-Beam Computed Tomography)," Med. Phys., vol. 27, no. 8, August 2000, pp. 1903-1914			
		SIEWERDSEN, Jeffery H. and JAFFRAY, David A., "Cone-Beam Computed Tomography With a Flat-Panel Imager: Magnitude and Effects of X-Ray Scatter," Med. Phys., vol. 28, no. 2, February 2001, pp. 220-231			
		CHO, Paul S. et al., "Cone-Beam CT for Radiotherapy Applications," Phys. Med. Biol., vol. 40 (1995), pp. 1863-1883			

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
		RAGAN, "Correction for Distortion in a Beam Outline Transfer Device in Radiotherapy CT-Based Simulation", Med. Phys. 20 (1), Jan/Feb 1993, pgs. 179-185.			
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		REDPATH, et al., "Use of a Simulator and Treatment Planning Computer as a CT Scanner for Radiotherapy Planning", 1984, Citation from INSPEC., 1 page.			
		ELLIOTT, "Interactive Image Segmentation for Radiation Treatment Planning", IBM Systems Journal, 1992, Citation from Medline (R) Database, 1 page.			
		KUSHIMA et al., "New Development of Integrated CT Simulation System for Radiation Therapy Planning", Kobs J Med Sci., 1993, Citation from Medline (R) Database, 1 page.			
		GADEMANN et al., "Three-Dimensional Radiation Planning. Studies on Clinical Integration", Strahlenther Onkol, 1993, 1 page.			
		RAGAN, "Correction for Distortion in a Beam Outline Transfer Device in Radkotherapy CT-based Simulation", Med Phys., 1993, 1 page.			
		ANDREW et al., "A Video-Based Patient Contour Acquisition System for the Design of Radiotherapy Compensators", Med Phys., 1989, 1 page.			
		REYNOLDS, "An Algorithm for Three-Dimensional Visualization of Radiation Therapy Beams", Med Phys., 1988, 1 page.			

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		MOHAN, "Intersection of Shaped Radiation Beams with Arbitrary Image Sections", Comput Methods Programs Biomed, 1987, 1 page.			
		BREWSTERFUAUF, "Automatic Generation of Beam Apertures", Medical Physics, 1993, 1 page.			
		HARA et al., "Radiotherapeutic System", 00480035/EP-B1, Citation from World Patent, 1994, 1 page.			
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		NING et al., "An Image Intensifier-Based Volume Tomographic Angiography Imaging System: System Evaluation," SPIE, Vol.,2432, pages. 280-290			
		"Advanced Workstation for Irregular Field Simulation and Image Matching", Copyright 1999, MDS Nordion, 7 pages.			

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		US-	4,208,675	6/17/1980	Bajon et al.	
		US-	4,521,808	6/4/1985	Ong et al.	
		US-	4,593,967	6/10/1986	Haugen	
		US-	4,675,731	6/23/1987	Takasu et al.	
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		US-	4,853,777	8/1/1989	Hupp	
		US-	4,868,844	9/19/1989	Nunan	
		US-	3,144,552	8/11/1964	Schonberg	
		US-	5,080,100	1/14/1992	Trotel	
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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
		PCT WO 85/03212 A1			8/1/1985	Michaels		
		EP 0062941 B1			9/26/1984	De Vogel		
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				Application Number	10/607,082
				Filing Date	June 25, 2003
				First Named Inventor:	Jeremy R. Myles
				Art Unit	2882
Examiner Name	TBA				
Sheet	8	5513P012	9	Attorney Docket Number	5513P012

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
		US-				
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FOREIGN PATENT DOCUMENTS

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		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
		DE 42 23 488 A1					
		DE 196 14 643 A1					
		JP HEI 5[1993]-57028		3/9/1993	Translated JP patent application		
		GB 1328033		8/22/1973			

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